

YAKUTOVICH, M. V.

Feb 49

USSR/Metals

Steel - Plastic Deformation

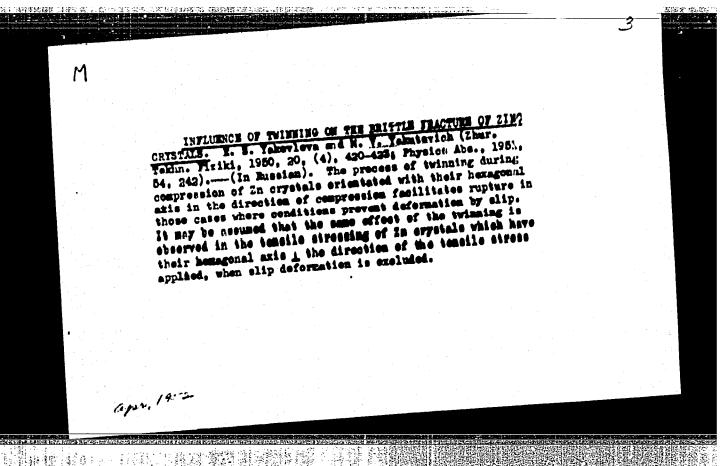
Surface Finishes

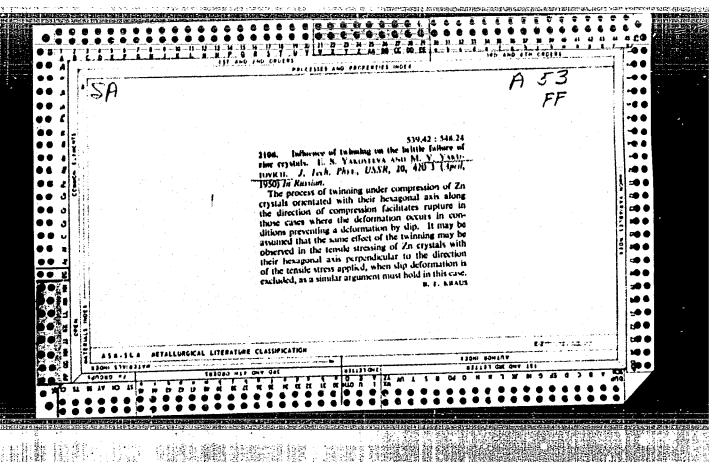
"The Plasticity of Steel and Finishing of Surfaces," F. P. Rybalko, M. V. Yakutovich, Inst Phys of Metals, Ural Affiliate, Acad Sci USSR, 2 pp

"Dok Ak Nauk SSSR" Vol LXIV, No 5

Experimentally shows that the plasticity of a material depends greatly on the purity obtained in processing the surface. Submitted by Acad I. P. Bardin, 15 Dec 481

PA 29/49T73





YAKUTOVICH, M. V.

USSR/Physics-Twinning Strength of Materials Apr 50

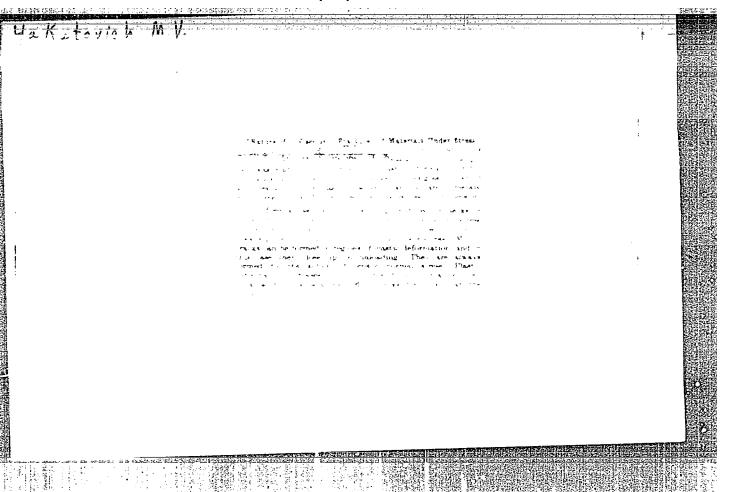
"Influence of Twinning Upon the Brittle Collapse of Zinc Crystals," E. S. Yakov-leva, M. V. Yakutovich

"Zhur Tekh Fiz" Vol XX, No 4, pp 420-423

It can be stated that effect of twinning must be observed during tension of zinc crystals, which are oriented (hexagonal axis) perpendicularly to direction of tension, and during absence of deformation by slippage, since reasoning remains the same. Submitted 30 Nov 48.

PA 163T98

YAKUTOVICH, M.V.	3	
	THE STUDY OF DEFORMED ALUMINUM SINGLE CRYS- TALS WITH AN ELECTRON MICROSCOPE. (Izuchenie Deformirovannykii Kristaliov Alyuminiya v Elektropnom Mikroskope). VM. V. Yakutovich, S. S. Yakovieva (R. M. Lerinman, and N.N. Bulnov. Translated by A. Pingeli Lerinman, and N.N. Bulnov. S. S. R. Ser. Fiz. 15, 383-8(1951).	
	Deformirovannykli Kristaliov Alydnini, Mikroskope). VM. V. Yakutovich, S. S. Yakovieva (R. M. Lerinman, and N. N. Bulnov. Translated by A. Pingell from Izvest. Akad. Nauk, S.S.R. Ser. Fiz. 15, 383-8(1951). 10p. (NRL-Trans-453)	
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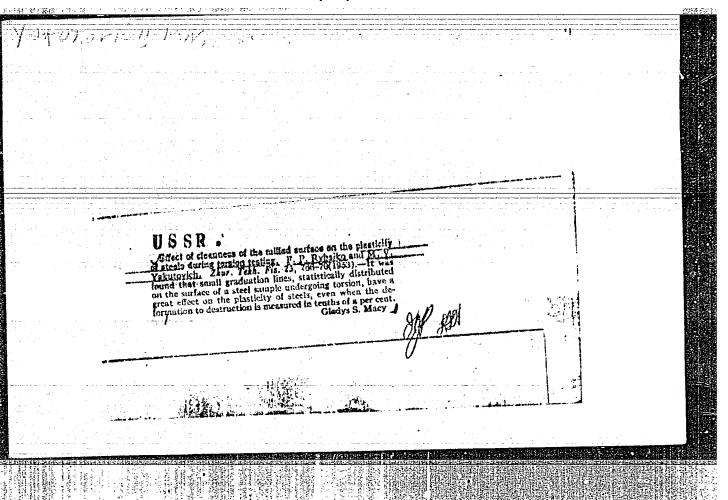


LIVOVSKIY, P.G.; PAL'MOV, Ye.V., professor doktor, retsenzent; KRASNOV, K.V., inzhener, retsenzent; ZAKROCHINSKIY, S.V., inzhener, retsenzent; SHKLOVSKIY, M.B., inzhener, retsenzent; BOGACHEV, I.H., professor doktor tekhnicheskikh nenk, redaktor; AKHUH, A.I., kandidat tekhnicheskikh nauk, redaktor; BARANOV, V.M., kandidat tekhnicheskikh nauk, redaktor; FILIPPOV, A.S., kandidat tekhnicheskikh nauk, redaktor; CHERNOBROVKIN, V.P., kandidat tekhnicheskikh nauk, redaktor; YAKUTOVICH, M.V., kanditat tekhnicheskikh nauk, redaktor; YAKUTOVICH, M.V., inshener, redaktor; ZASLAVSKIY, I.A., inshener, redaktor; KROKHALEV, V.Z., inshener, redaktor; SOSKIN, M.D., inshener, redaktor.

[Manual for the mechanic in a metallurgical plant] Spravochace rukovodstvo mekhanika metallurgicheskege savoda. Isd.3., ispr.i dep.
Moskva, Gos. nauchno-tekhn. isd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1953. 1112 p.

(MLRA 7:4)

(Mechanical engineering-Handbooks, manuals, etc.)



YNKUTOVICH, M.V.	
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YAKUTOVICH, M. V.

USSR/Engineering - Metallurgy,
Deformation of Al

21 Jun 53

"Role of Grain Boundaries in the Process of Plastic Deformation of Aluminum," E. S. Yakovleva and M. V. Yakutovich

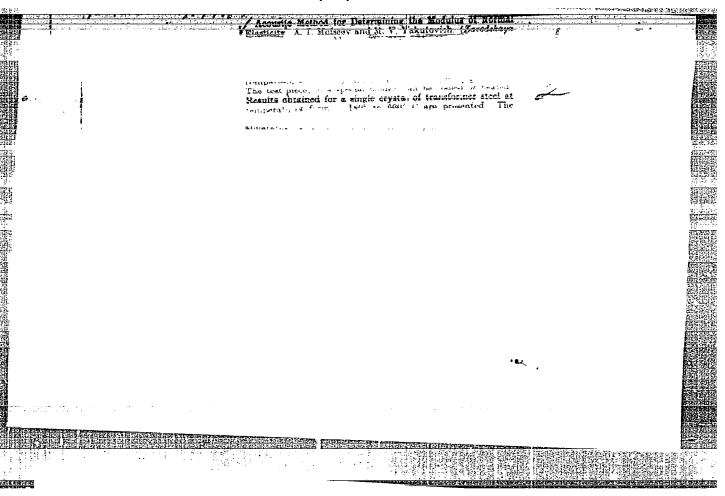
DAN SSSR, Vol 90, No 6, pp 1027-1029

Investigate effect of temp on localization of deformation along grain boundaries of Al using two methods. At low temp and fast deformation the grain boundaries resist sliding deformation; at high temp and slow deformation, the grain boundaries are the and slow deformation, the grain boundaries are the weakest spots. Presented by Acad I. P. Bardin 28 Apr 53.

Translation B- 77406, 21 Die 54

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962020013-7"



AUTHORS: Rybalko, F. P. and Yakutovich, M. V.

Stable and non-stable macro-localisation of the plastic deformation in the case of static torsion. (Ustoychivaya i neustoychivaya makrolokalizatsiya plasticheskoy deformatsii pri staticheskom kruchenii).

PERIODICAL: "Fizika Metallov 1 Metallovedeniye" (Physics of Metals and Metallurgy), 1957, Vol.4, No.3, pp.450-454 (U.S.S.R.)

ABSTRACT: This paper is devoted to describing the phenomenon of unstable localisation of the plastic deformation during static torsion and its relation with stable localised deformation. In addition, a number of problems are discussed on the basis of literature on localised plastic deformation. The experiments consisted in investigating deformation by static torsion of carefully polished cylindrical specimens with a constancy of the size of the active diameter of 0.017 to 0.03% by means of a method described in earlier work of the authors (3-6). The specimens were made of Steel 310 and 34XHM A tempered at various temperatures, as described in earlier papers (3-5). It is concluded that during plastic deformation and during macro-shear failure two types of localised deformation can be detected, stable and unstable deformation. The physical cause of unstable

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Stable and non-stable macro-localisation of the plastic deformation in the case of static torsion. (Cont.)

localisation of plastic deformation is the presence in the material of macro-structural non-uniformities, whilst the cause of the stable localisation is physical softening. In the case of macro-structural (and in some cases also of geometrically) non-uniform specimens, the wave of unstable localisation of the deformation leads to a state of equal strength; cylindrical specimens which get into the state of equal strength during static torsion deform uniformly for a considerable time. After a period of uniform deformation, long before failure and occurrence of macro-cracks, physical softening sets in, the characteristic of which is stable localisation of the plastic deformation. If the specimen contains an external stress concentrator, it will affect the location of the stable localised deformation but it cannot stop the material, at this stage of preparation, from developing macro-failures. If the accuracy of the given snape of the specimens is high and there are no rough marks on the active surface of the specimen, the appearance of unstable localised deformation is an indication of the existence of macro-structural non-uniformity. There is one figure and 10 references, 9 of which are Slavic.

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APPROVED FOR RELEASE: 09/01/2001 CIA-REPS6-005 3R0019620200137

YAKUTOVICH, M.V.

(p.7,8) 18(7) PHASE I BOOK EXPLOITATION SOV/1340

Akademiya nauk SSSR. Ural'skiy filial. Institut fiziki metallov

Voprosy teorii zharoprochnosti metallicheskikh splavov (Problems in the Theory of Heat Resistance of Metal Alloys) Moscow, Izd-vo AN SSSR, 1958. 160 p. (Series: Its: Trudy, vyp. 19) 3,500 copies

Eds.: Arkharov, V.I. and Sadovskiy, V.D.; Ed. of Publishing House: Rzheznikov, V.S.; Tech. Ed.: Novichkova, N.D.

PURPOSE: This book is intended for specialists in the field of

COVERAGE: (Abstract of Article 1) The articles in this book constitute reports on extensive studies, conducted between 1949 and 1954 by the Institute of Physical Metallurgy at the Urals Branch of the Academy of Sciences, USSR, and devoted to the development of a general theory of heat resistance. A strong need was felt for such a theory because of insufficient knowledge of the physical mechanism of deformation

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Problems in the Theory of Heat Resistance of Metal Alloys SOV/1340

phenomena occurring in materials at high temperatures and the resultant difficulty of explaining the frequent difference in behavior of materials under test conditions and under actual operating conditions. The studies centered around the investigation of two basic assumptions: 1) localization of the processes of high-temperature plastic deformation in the zones of structural heterogeneity in a solid body undergoing deformation 2) internal adsorption of certain dissolved addition agents in the vicinity of these heterogeneities. The combined effect of these two phenomena on the heat resistance of the material is very important, because they are both localized in the same zones of the alloy. Actually, deformation develops in zones where the composition of the alloy, as a result of internal adsorption, is quite different from the average composition of the alloy. Another important factor in this connection is the fact that the effect of internal adsorption depends on previous heat treatment. From this it follows that small additions, frequently even those

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too small to be detected by analysis, may considerably change the heat resistance of the alloy, in varying degrees, depending on the heat treatment. It may be concluded that the main factor determining the heat resistance of a crystal is the interatomic bonds in the lattice, which bonds change according to the composition of the solid solution. The first stage of the investigations has been completed and forms the subject matter of the present collection of papers. Results indicate that the basic assumptions have been verified to a considerable extent. These two phenomena, as related to such heterogeneities as transcrystallite joining in polycrystalline alloys (under specified conditions of deformation) have proved to be of decisive importance and can be used as the basis of a hypothesis on how heat resistance is affected by the localization of deformation and by internal adsorption of addition agents in the vicinity of the more minute structural heterogeneities, i.e., the elements of subcrystallite structure (further work is indicated in this direction). Article 2 of the collection gives an

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Problems in the Theory of Heat Resistance of Metal Alloys SOV/1340

extensive treatment of the basis of attack on the problem of heat resistance as investigated at the Institute, together with a detailed discussion of the guiding principle underlying all aspects of the study. Articles 3 and 4 attempt to explain the high adsorbability of small additions of a number of elements (e.g., Mo, Wo, Cb, T1, Al, B) in iron-chrome-nickel austenite. Article 4 18 concerned specifically with the diffusional mobility of one of the main components of the alloy(nickel) in transcrystallite trans. ition zones, an important characteristic as regards heat resistance, inasmuch as plastic deformation at high temperatures [apparently] proceeds by a diffusion-type mechanism. Confirmation of this hypothesis was obtained by analysis of experimental data on hightemperature stress relaxation. This analysis is the subject of Article 10, whereas Article 9 is directly concerned with experimental work on the measurement of stress relaxation. The correlation between data on the transcrystallite diffusional mobility of nickel and on stress relaxation in the investigated alloys is

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Problems in the Theory of Heat Resistance of Metal Alloys SOV/1340

given in Article 11. Article 8 describes methods of measuring high-temperature stress relaxation. Article 5 gives experimental deta on the effect of small additions of elements of high internal adsorbability on creep in solid solutions. In this study it is shown that under conditions of low stresses, when the deformation is markedly localized in the transcrystallite transition zones, the adsorption-prone addition agent exhibits a strengthening effect. With high stresses, when the deformation is mainly of the slip type and is distributed throughout the crystallite, internal adsorption of the addition element ceases, but in certain cases of high stress the addition element may lower the resistance of the material to flow. Additional data on this question are given in Articles 6 and 14. Article 7 presents the results of an attempt at experimental microinterferometric confirmation of the occurrence of changes in the distribution of strain in the grain of metal containing small amounts of addition agents. The first small additions produce a marked effect on the deformation, which (with low stresses) is

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localized at the intercrystallite boundaries; the alloy is strengthened. An increase in the amount of the addition agents results in a coarsening of the crystallites, which increase the rate of flow. These results also agree with the basic hypothesis concerning the effect of internal adsorption on heat resistance and supplement the hypothesis with indications of the range of strain conditions under which the adsorption phenomenon plays a significant role. In the course of investigating stress relaxation, an unusual effect was observed in certain alloys, namely "negative relaxation", consisting in the growth of stresses with time, instead of the usual natural decrease. This effect has been explained by assuming that under the conditions of the relaxation test a phase transformation takes place in the material, resulting in a lowering of the specific volume (discussed in Article 12). This effect received further confirmation in the study reported in Article 13. In Article 16 the author examines the possibility of extending the basic idea of these investigations to subcrystallite structural heterogeneities, especially to those which arise and develop in aging. Since the majority of heat-resistant alloys undergo aging, the internal-adsorption phenomeon becomes a problem of great importance.

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- 3. Arkharov, V.I., S.I. Ivanovskaya, I.P. Polikarpova, and N.P. Chuprakova. Investigation of Irregularities in Frontal Diffusion of Nickel in Polycrystalline Iron-Chrome-Nickel Alloys
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8/019/62/000/006/020/083 A156/A126

AUTHORS:

Kardonskiy, V.M., Potemkin, K.D., Perkas, M.D., Teymer, D.A., and

Yakutovich, M.V.

TITLE:

Method of producing high-strength steel strip

PERIODICAL:

Byulleten' izobreteniy, no. 6, 1962, 29

Class 18c, 610. No. 145606 (727680/22 of April 17, 1961). A method of producing high-strength steel strip, the distinctive feature of which consists in that for obtaining a strip possessing high-strength properties with an ultimate strength of 300 kg/mm² and more, use is made of a combination of patenting and subsequent cold rolling of the strip, with the result that the metal is left in a highly dispersed state.

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CIA-RDP86-00513R001962020013-7" **APPROVED FOR RELEASE: 09/01/2001**

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AUTHORS:

Golin, Yu. L., Morokhov, I. D., Savchuk, A. I., Yakutovich, M. V., Lapovok, V. N., Rybakova, N. S.

TITLE:

A method of making metal gauzes

PERIODICAL:

Byulleten' izobreteniy, no. 19, 1961, 48

of making metal gauzes for filtering gases and liquids from strip metal obtained by rolling a mixture of powdered metals or alloys, distinguished by the fact that, in order to reduce the prime cost of production of the gauzes, the strip obtained by rolling the powders is sintered at a temperature higher than the melting point of the lowest-melting component.

X

Card 1/1

PAVLOV, V.A.; YAKUTOVICH, M.V., otv. red.; MEDER, V.I., red. izd-va; FREMD, V.M., tekhm. red.

[Physical principles of the plastic deformation of metals]
Fizicheskie osnovy plasticheskoi deformatsii metallov. Moskva, Izd-vo Akad. nauk SSSR, 1962. 198 p. (MIRA 15:11)
(Metallography) (Dislocations in metals)

YAKUTOVICH, M. V.; MEYERSON, G. A.; IGNATYEV, B. G.; KURBATOV, G. P.; et al

"Uranium Prepared by Powder Metallurgy Techniques."

report submitted for 2nd Intl Conf, Peaceful Uses of Atomic Energy, Geneva, 31 Aug-9 Sep 64.

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	AUTHOR: Millionshchikov, M.	D.; Gverdtsiteli, I. G.; A. Yu. D.; Yefremov, A. A.; K.; Koptelov, Ye. A.; Kos	arkin. V. ***	
	Ivanov, V. N. Ye.; Kucherov,	Ponomarev-Stephoy	G . Yakovley	•
	V. V.; Yakutovich, M. V.; Khi	temperature reactor-converter	./9	
	SOURCE: Atomnaya energiya,	v. 17, no. 5, 1900, eactor, reactor feasibilit	y study, re-	
	TOPIC TAGS: nuclear power is search reactor, thermoelectric ABSTRACT: The authors brick test results, and operating	chy describe the construct	ion, parameters, ka" reactor-	•
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i. 18316-65 ACCESSION NR: AP4049532

converter unit, which has been in operation at the Kurchatov Atomic Energy Institute since August 1964. The fuel used is uranium dicarbide enriched to 90% U²³⁵. Graphite and beryllium are used as reflectors. Electricity is generated by silicon-germanium semiconductor thermocouples distributed on the outer surface of the reflector and connected in four groups which can be connected in series or in parallel. The temperatures of the active zone and outer surface are 1770 and 1000C, respectively. The power ratings are 0.50-0.80 kW electric and 40 kW thermal, the maximum current (parallel connection) is 88 A, the neutron flux is 1013 neut/cm2 sec in the center of the active zone and 7×10^{12} on its boundary. The reactor has a negative temperature reactivity coefficient. The equipment has high inherent stability and requires no external regulator, and little change was observed in the thermocouple properties after 2500 hours of operation. Tests on the equipment parameters are continuing, and the results are being analyzed for use in future designs. Orig. art. has: 8 figures and 1 formula.

Cord 2/

IGNAT'YEV, B. G.; NEZHEVKNKO, L. V.; FOLTORATSKIY, N. I.; FOMIN, G. S.; YAKUTOVICH, M. V.

"Fabrication of large Gabarit makes from refractory carbides."

paper submitted but not presented at Intl Powder Metallurgy Conf, New York City, 14-17 June 1965.

CC NRI AP602	T(n)/ENF(e)/E#F(k)/c.F(t)/E11 21526 BOURCE CODE:	10.700077]
UTHOR: Igns	at'yev, B. C.; Nezhevenko, N. I.; Fomin, C. S.; Yak	L. B.; Kovalev, A. V.;	:
RG: none			
ITLE: Produ	uction of thin plate from	refractory carbides -27	
	enemaive v. 20. no	. 6, 1966, 489-494	1
COPIC TAGS:	zirconium, zirconium car usion, powder outifue roll	bide, poster carbide, poster, restriction, plate describe,	
carbide powd quent high-t	emperature sintering with irconium-carbide powder 1	ense, thin plate from zirconium- : 1) hot extrusion with subse- various surface-active additives nto plate and subsequent sintering -carbide and metallic zirconium	g.
A mixture of (15 vt.%) pl	the powders of all solut lasticized with a 3% solut i under a specific pressur	e of 1.5-3.0 t/cm ² into plate	
the powder f	fineness, specific extrusi sintering had only a slig	ton pressure, and temperature and the ship of the final product	
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2) rolling VZ A mixture of (15 vt.%) pl was extruded	the powders of ilronlum lasticized with a 3% solut i under a specific pressur intered at 2100—2500C for fineness, specific extrusi sintering had only a slig	a-carbide and metallic zirconium tion of rubber in 3-chlorethylene te of 1.5-3.0 t/cm2 into plate up to 3 hr. Tests showed that ion pressure, and temperature and the effect on the final product	-

L 35860-66 ACC NR: AP6021526 density, which averaged from 5.02 to 5.82 g/cm3. Appreciably better results were obtained in extruding and sintering plate from the same mixtures with the addition of 0.3-1.5 vt.% of NiCO3 or NiC2O4 activating salts. For example, the oxygen content in both sintered and unsintered specimens with activating additives was 3-4 times lover than in specimens without additives (0.05-0.09 and 0.25%, respectively). The highest density plate (about 6.3 g/cm3-94% of the theoretical) was obtained with the addition of 0.3 vt.% NiCO3 or NiC2O4 to a powder with a specific surface of 8 m2/g, which was extruded and subsequently sintered at 2400-2500C. Plate rolled from granulated powder with a particle size of 100-280 µ, prepared from a powder mixture plasticized with a 3% solution of 1.0 wt.% powdered rubber in benzine, was sintered at a temperature of up to 2000C in a vacuum of 10-3 mm Hg and at higher temperatures (2100-2500C) in an argon atmosphere at a pressure of 300-350 mm Hg. It was found that the density of the sintered plate increased with increasing powder fineness and sintering temperature. The best results were obtained with powder ground for 96 hr (a specific surface of 8 m²/g). The 1 mm-thick plate rolled from this powder, surface of 8 m²/g). The 1 mm-thick plate rolled from this powder, after sintering at a temperature of 2300C or higher, had a density of after sintering at a temperature of 2300C or higher, had a density of after sintering at a temperature of 2300C or higher, had a density of the need for actimating additives and higher density of the final product are definite advantages of the second method of producing this place from the advantages of the second method of producing this place from the advantages of the second method of producing thin plate from zir-conium-carbide powder. Orig. art. has: 2 figures and 8 tables. SUB CODE: 11 3/ SUBM DATE: 29JanG6/ ORIG REF: 007/ OTH REF: 003/ ATD PRESS: 503/ Card 2/2

YAKUTOVICH, V.G., provizor (Mogilev, BSSR)

"Pharmaceutical chemisty" by P.L. Senov. Reviewed by V.G. IAkutovich.
Apt.delo 8 no.6:81-83 N-D '59.

(CHEMISTRY, MEDICAL AND PHARMACEUTICAL) (SENOV, P.L.)

"APPROVED FOR RELEASE: 09/01/2001 CIA-

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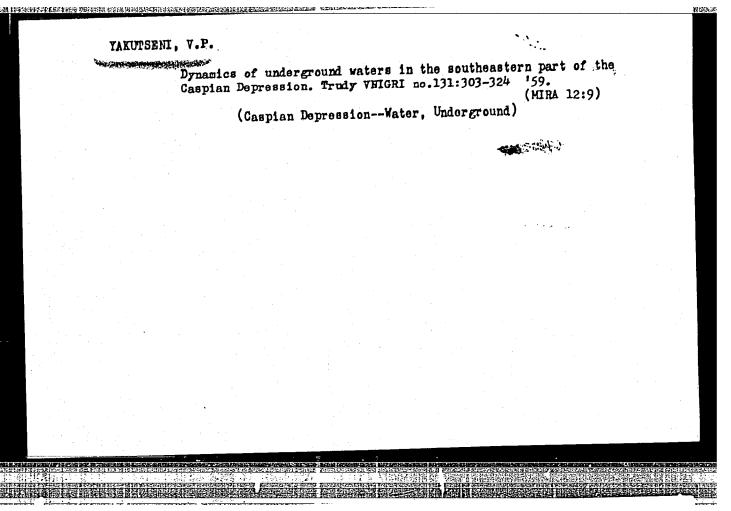
ARZAMASTSEV, A.P.; YAKUTOVICII, V.G.

"Pharmaceutical chemistry" by M.M. Turkevich. Reviewed by A.P. Arzamastsev and V.G. IAkutovich. Apt. delo 11 no.2:86-87 Mr-Ap '62. (MIRA 15:5) and V.G. IAkutovich. Apt. MEDICAL AND PHARMACEUTICAL)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962020013-7

SOURCE CODE: UR/0413/66/000/009/0125/0125 ACC NRI AP6015710 . INVENTOR: Naydis, N. M.; Avramenko, A. K.; Yakuts, B. L.; Ryzhov, L. S.; Korchin, Yu. M.; Kalyuzhnyy, O. K.; Kuchinskiy, V. A. ORG: None TITLE: Fuel delivery controller for internal combustion engines. Class 46, No. 181445 SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 125 TOPIC TAGS: engine fuel system, air temperature, fuel control ABSTRACT: This Author's Certificate Introduces: 1. A fuel delivery controller for internal combustion engines. The unit consists of a device for transmitting signals to a servomechanism, a stack of aneroid capsules and two correctors with pickups. These pickups are made in the form of bimetallic plates equipped with manual adjustment screws. Each of these bimetals varies fuel delivery as a function of air temperature. The second corrector is connected to the fuel delivery channel supplying fuel to the engine to allow for the variation in the specific weight of the fuel with temperature. 2. A modification of this controller in which transition from one type of fuel to another is simplified by a scale on the device for correcting temperature (specific weight). The indicating needle of the corrector scale can be set by a manual adjustment screw. SUB CODE: 21/ SUBM DATE: 28Jun63 621.43.031-441.2 UDC: Card 1/1



YAKUTSENI, V. P., Cand Geol-Min Sci -- (diss) "Hydrogeology of the south-eastern Caspian Region Depression in connection with the evaluation of the prospects for petroleum gas potential." Leningrad, State Topographical Engineering Fublishing House, 1960, Leningrad Division. 19 pp; (Ministry of Higher and Secondary Specialist Education USSR, Leningrad Order of Lenin and Order of Labor Red Banner Mining Inst im G. V. Plekhanov, Ministry of Geology and Conservation of Resources USSR, All-Union Petroleum istry of Geology and Conservation of Resources USSR, All-Union Petroleum Scientific Research Geological Survey Inst -- VNIGRI); 200 copies; free; (KL, 24-60, 130)

ANTERN ED PRESENTER TERMENSEN BLEEN STOFF STOFF

MAKHMUDOV, A.Kh.; YAKUTSENI, V.P.

Methods for evaluating the reserves of helium. Neftegaz. geol. 1 geofiz. no. 10:33-36 '65. (MIRA 18:12)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazve-dochnyy institut, Leningrad.

YAKUTSENI, Vera Prokof'yevna: KROTOVA, V.A., nauchnyy red.; RAGINA, G.M., vedushchiy red.; GENNAD'YEVA, I.M., tekhn.red.

[Hydrology of the southeastern Caspian Lowland in connection with oil and gas potentials] Gidrogeologiia iugo-vostoka Prikaspiiskoi vpadiny v sviazi s neftegazonost'iu. Leningrad, Gos.nauchno-tekhn. vpadiny v sviazi s neftegazonost'iu. Leningrad, Gos.nauchno-tekhn. izd-vo neft.i gorno-toplivnoi lit-ry. Leningr.otd-nie, 1961. 230 p. izd-vo neft.

YAKUTSENI, V.P.; PETROVSKAYA, N.L.

Distribution of the zones of regional helium accumulation on the earth. Sov. geol. 8 no.1:120-131 Ja *65. (MIRA 18:3)

1. Vsesoyuznyy neftyanoy nauchno-issledovatel skiy geologorazvedochnyy institut.

 YAKUTSENI, Vera Prokof'yevna; TOKAREVA, T.N., vedushchiy red.; DEM'YA-NENKO, V.I., tekhn.ted.

[Characteristics of the formation of helium-bearing gas fields; prospecting methods.] Zakonomernosti formirovaniia zalezhei geli-enosnykh gazov; k metodike poiskov. Leningrad, Gostoptekhizdat, 1963. 130 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledo-vatel'skii geologorazvedochryi institut. Trudy, no.222). (MIRA 17:2)

KRUGLIKOV, Nikolay, Mikhaylovich; YAKUTSENI, V.P., red.

[Hydrology of the northwestern margin of the West Siterian artesian basin.] Gidrogeologiia severo-zapadnogo borta Zapadno-Sibirskogo artezianskogo basseina. Leningrad, Nedra, 1964. 165 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy, no.238). (MIRA 18:6)

YAKUTSENI, V.P.

Principles of the classification of natural gases according to their helium content. Geol. nefti i gaza 9 no.8:48-53 Ag 165.

(MIRA 18:8)

TAKUTSENI, V.P.; FETROVSKAYA, N.L.

Gas industry abroad. Gaz. prom. 9 no.11:50-52 164.

(MIRA 17:12)

Motes of a young naturalist. Wn. nat. no.9:38 S '59.

(Animals, Habits and behavior of)

5/236/62/000/001/002/007 D207/D307

24.2420.

AUTHORS:

Tolutis, V.B. and Yalantsyavichene, I.A. Combined investigation of thin layers of cadmium telluride in strong electric fields

telluride in strong electric fields

telluride in strong electric fields TITIE:

SOURCE:

Akademiya nauk Litovskoy SSR. Trudy. Seriya B, no. 1(28), 19ú2, 17-31

date is of special interest because of its high odie is of special interest because of its night of ficiency in solar energy conversion. A brief review of literature efficiency in solar energy conversion influences atrongly the atmosphere that the method of propagation influences atrongly the structure. efficiency in solar energy conversion. A brief review of literature shows that the method of preparation influences strongly the structure and composition of Cd're. In the present work (reported in ture and composition of Cd're. In the present work of and 99.99% ture and composition of Cd're. In the present work of and 99.99% ture and composition of Cd're was prepared (by V. Yasutis) by melting together product and the product was prepared by 21000°C) spectroscopically pure Product and Cat 600°C, followed by 1000°C) spectroscopically pure product and This was followed by grinding was of 99.99%. The final product was of 99.99% of Cd're were obtained by evaporation and pure 're in vacuum. This was of Cd're were obtained by evaporation and purity. Thin (1 \mu) layers of Cd're were obtained by Card 1/2

Card 1/2

minima de la compressión de la company d APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001962020013-7" 5/236/62/000/001/002/007 U207/U307

Combined investigation ...

deposition in vacuum on cold or heated (to 350°C) quartz and other substrates. The adhesion was good on heated substrates but poor on cold ones. The adhesion was related to the characteristic temperacold ones. ture dependence of the linear thermal expansion coefficient of CdTe; the room-temperature value of this coefficient, measured with a MUN-4 (MII-4) interference microscope, was found to be 6.2 x 10-6 deg-1. The combined investigation consisted of a series of measurements of various properties using the same principle. The order of measurements was carefully selected to avoid the effects of irreversible changes and most of the measurements were carried out in vacu-The properties of CdTe layers were strongly influenced by the conditions of deposition because CdTe decomposes on evaporation into Te2 and Cd and recombines again on the substrate. The nonlinearity of the current-voltage characteristics of CdTe layers in strong electric fields (105 V/cm) was found to be principally due to heating by There are 9 figures. the fields.

ASSOCIATION:

Institut fiziki i matematiki Akademii nauk Litovskoy

SSR (Institute of Physics and Mathematics, Academy

of Sciences, LithSSR)

February 23, 1961

Card 2/2

SUBMITTED:

83990

S/132/60/000/010/003/004 A006/A001

9,9700 (2101,2301,3001)

Yakuvpov, V. S.

Possibilities of Geoelectric Exploration Under Permanent Frost

TITLE: Possibili Condition

AUTHOR:

PERIODICAL: Razvedka i okhrana nedr, 1960, No. 10, pp. 29 -32

TEXT: Information is given on geoelectrical exploration under conditions of permanent frost in the North-East of the USSR. The frozen layer in that region is characterized by an average thickness of 200 m, a minimum temperature below the penetration of seasonal fluctuations from -4 to mum temperature below the penetration of seasonal fluctuations from -4 to -10°C and the location of this limit at 15 - 30 m depth. The active layer is about one meter thick. Presently the hypothesis exists that the specific electric resistivity of frozen rocks is a function of temperature only fic electric resistivity of frozen rocks is a function of temperature only at 0 to -2°C, and that it remains practically unchanged at a further drop of temperature. This hypothesis enables the scientists to renounce the concept that the specific electric resistivity p of frozen rocks depends on the temperature. The hypothesis was practically confirmed. Vertical on the temperature. The hypothesis was practically confirmed. Vertical electric probing was used to dermine p values and it was found that 0, when electric probing was used to dermine p values and it was found that 0, when passing from melted to frozen state, increased several times for weakly card 1/3

83990 S/132/60/000/010/003/004 A006/A001

Possibilities of Geoelectric Exploration Under Permanent Frost Condition

porous eruptive rocks, about ten times for sedimentary rocks and hundreds and thousands of times for Quaternary porous desposits. Consequently the differentiation of the p values of rocks and ores was usually preserved when passing to the frozen state and increased abruptly only in the case of Quaternary porous deposits. This circumstance and the absence of a dependence of on temperature for lithologically homogeneous rocks makes it possible to use geoelectric exploration under conditions of permanent frost. Experiences made at the North-East of the USSR revealed the following factors of permanent frozen soil which must be taken into account when carrying out geoelectric exploration: 1. the shielding effect of the melted layer, first discovered by A. G. Tarkhov (Ref. 3). 2. the presence of seasonal fluctuations of some parameters of the geolectrical cross section; 3. the appearance of additional electrical separation boundaries as a result of changes in the P values in the bottom of the frozen layer and on the boundary of melted and frozen rocks. Presently electrical exploration methods are used for the following purposes: investigation of the thickness of permanent frost layers; determination of the physical conditions

Card 2/3

83990 S/132/60/000/010/003/004

Possibilities of Geoelectric Exploration Under Permanent Frost Condition

of the scil, and of the borders of spreading the frost layers; exploration of ore deposits; preliminary determination of Quaternary porous deposits for the correct outlining and organization of operations for placer gold exploration. Some technological recommendations are included into the information. There are 1 figure and 5 Soviet references.

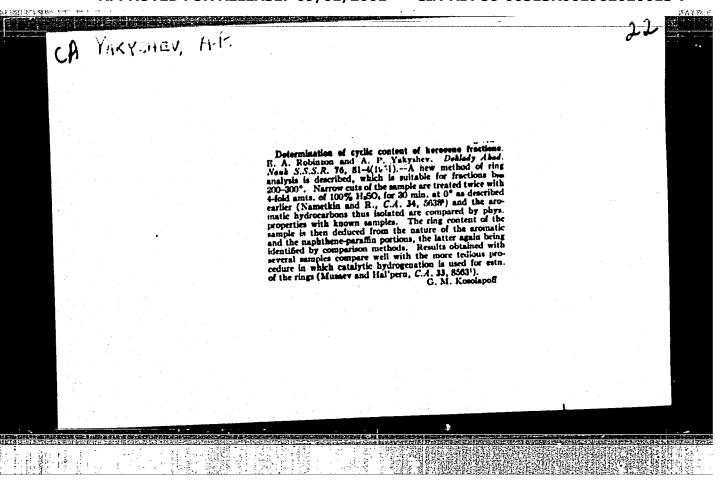
ASSOCIATION: Severo-Vostochnoye geolupravleniye (North-Eastern Geological Administration).

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Card 3/3

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YALAGIN, Ivan Vasil'yevich, Geroy Sotsialisticheskogo Truda; CHERNOV, Ye., red.; PAYLOYA, S., tekhn.red.

[Plastering on construction sites] Shtukaturnye raboty na stroike.

[Mina 13:3)

Moskva, Mosk.rabochii, 1959. 37 P.

1. Brigadir shtukaturov tresta "Elektrostal'stroy" (for Yalagin).

(Plastering)

LEVICH, V.G.; YALAMOV, Yu.I.

Theory of polyelectrolyte solutions. Part 1: Low degrees of ionization. Zhur.fiz.khim. 36 no.5:1096-1102 My '62. (MIRA 15:8)

1. Institut elektrokhimii, AN SSSR.

(Electrolyte solutions) (Polymers) (Electromotive force)

YALAMOV, Yu.I.

Electrostatic potential of spherical macroions in electrolyte solution. Zhur.fiz.khim. 36 no.8:1812-1814 Ag '62. (MIRA 15:8)

1. Khimiko-tekhnologicheskiy institut imeni D.I.Mendeleyeva. (Electrolyte solutions)

LEVICH, V.G.; YALAMOV, Yu.I.

Potential distribution at the surface of a strongly icnized polymer macromolecule in an electrolyte solution. Dokl. AN SSSR 142 no.2:399-402 Ja 162. (MIRA 15:2)

1. Institut elektrokhimii AN SSSR. 2. Chlen-korresvondent
AN SSSR (for Levich).
(Polymers)
(Electromotive force)
(Electrolyte solutions)

34480 \$/020/62/142/004/017/022 B101/B110

5.4700 (all. 1209)
AUTHORS: Levich, V. G., Corresponding Member AS USSR, and Yalamov, Yu. I.

TITLE: Problems of the theory of polyelectrolytes at low degrees of ionization

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 142, no. 4, 1962, 851 - 854

TEXT: The discrete distribution of the charge on the surface of a spherical macro-ion is investigated. The interface macro-ion - electrolyte is assumed to be plane. The polymer I has the dielectric constant \mathcal{E}_1 , the electrolyte II the dielectric constant \mathcal{E}_2 . The charge q is at a depth the electrolyte II the dielectric constant \mathcal{E}_2 . The charge q is at a depth helow the surface of I. $\Delta\Psi = -(4\pi/\epsilon_1)q\delta(x)\delta(y)\delta(z+h)$ (1) is written down for I; $\Delta\Psi = -(4\pi/\epsilon_2)\sum_{i=1}^{8} \exp(-z_i \exp/T)$ (2) for II. Eq. (2) is linearized: $\Delta \phi - \mathcal{H} \phi = 0$ (3), where $\mathcal{H}^2 = (4\pi e^2/\epsilon_2 T)\sum_{i=1}^{8} n_i z_i^2$. The solution of Eqs. (1) and (3) in the range $-\infty/2 < 0$ and $0 < z < \infty$ for the boundary Card 1/3

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CIA-RDP86-00513R001962020013-7

Card 2/3

S/020/62/142/004/017/022 B101/B110 conditions $\Psi|_{z=0} = \varphi|_{z=0}$; $E_1 \partial \Psi/\partial z|_{z=0} = E_2 \partial \varphi/z|_{z=0}$; $\varphi|_{z=\infty} = \Psi|_{z=-\infty} = 0$, and for $z < 1/\pi$ produces the potential: $\varphi(q,z) \approx \left[2q/(E_1 + E_2)\right] \left[\exp(-\kappa/Q^2 + z^2)/\sqrt{Q^2 + z^2}\right]$. For the repulsion between two charges q_1 , q_2 with the distance d on the surface of I holds: $\Delta \Psi = -(4\pi/E_1) \left[\alpha \cdot \delta(x)\delta(y)\delta(z+h) + \alpha \cdot \delta(x-h)\delta(y)\delta(z+h)\right]$ between two charges q_1 , q_2 with the distance a on the surface of 1 holds, $\Delta y = -(4\pi/\epsilon_1) \left[q_1 \delta(x) \delta(y) \delta(z+h) + q_2 \delta(x-d) \delta(y) \delta(z+h) \right]$, For $q_1 = q_2 = q_3$, and h = 0, the following potential is found: $p(x,y,z) = \frac{2q}{(\epsilon_1 + \epsilon_2)} \left[\exp(-\kappa \sqrt{\frac{2}{q^2 + -z^2}}) / \sqrt{\frac{2}{q^2 + z^2}} + \exp(-\kappa \sqrt{\frac{2}{q^2 + z^2}}) / \sqrt{\frac{2}{q^2 + z^2}} \right]$ where $q = \sqrt{(x-d)^2 + y^2 + z^2}$. The interaction between the ionic clouds where $q = \sqrt{(x-d)^2 + y^2 + z^2}$ is determined from: $p = -(d/\partial d) / (\Phi_d - \Phi_{co})$. Φ_d surrounding the charges is determined from: is the free electric energy of the system of two charges and the respective ionic clouds with the distance d; & corresponds to d = co and does not depend on d. Result: $p = \left[2q^2/\frac{1}{4} + \epsilon_2\right] (1 + \kappa d) \left[\exp(-\gamma d)\right]/d$. Already

for Md N1, p differs little from the interaction of two punctiform charges

in the absence of an electrolyte. With increasing ionization of a

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Problems of the theory of ...

S/020/62/142/004/017/022 B101/B110

macromolecule, the electrostatic interaction may thus have a strong effect on the configuration of macromolecule links. There are 2 figures and 6 references: 1 Soviet and 5 non-Soviet. The four references to English-language publications read as follows: G. E. Kimball, M. Cutler. H. Samelson, J. Phys. Chem., 56, no. 1, 57 (1952); J. Kagawa, M. Nagasawa, J. Polym. Sci., 16, 299 (1955); Y. Ykeda, J. Phys. Soc. Japan, 8, 49 (1953); S. Lifson, A. Katchalsky, J. Polym. Sci., 12, 43 (1954).

ASSOCIATION: Institut elektrokhimii Akademii nauk SSSR (Institute of Electrochemistry of the Academy of Sciences USSR)

SUBMITTED: October 14, 1961

N

Card 3/3

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962020013-7

Electrostatic potential of cylindrical macroions in electrolyte solutions. Koll.zhur. 25 no.3:375-378 My-5e '63. (MIRA 17:10)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva.

5/076/63/037/002/007/018 B101/8186 Levich, V. G., Yalamov, Yu. I. (Moscow) Determination of the potential at the surface of a cylindrical polymer macromolecule in electrolyte solution Zhurnal fizicheskoy khimii, v. 37, no. 2, 1963, 333-339 AUTHORS: TEXT: The distribution of the potential is calculated for the surface of a cylindrical macromolecule in an electrolyte solution, whose length h is TEXT: The distribution of the potential is carculated for the surface of a cylindrical macromolecule in an electrolyte solution, whose length h is a cylindrical macromolecule in an electrolyte poisson Boltzmann potential notably greater than its radius as Rased on the Poisson Boltzmann potential potential processors. a cylindrical macromolecule in an electrolyte solution, whose length h 1s length as a cylindrical macromolecule in an electrolyte solution. Boltzmann potential notably greater than its radius a. Based on the Poisson Boltzmann potential notably greater than its radius a. Cylinder. Ano/D. where D is distribution in the neighborhood of a cylinder. TITLE: notably greater than its radius a. Based on the Poisson Boltzmann potential distribution in the neighborhood of a cylinder, the density of charge. distribution in the neighborhood of a cylinder, Dy -4mg/D, where D i the density of charge, the dielectric constant of the solution and wis the density of charge, PERIODICAL: the dielectric constant of the solution and $(\alpha C_p)^2$ is obtained.

e $\Delta V/kT = \ln \left[(x_1^2/2\beta^2) \sinh^2 \delta \right] = \alpha C_p/(\alpha C_p + 2C_{el})$ the charge of the ion of a mono-monovalent electrolyte; x1 where n₁ is the total of the counter-ions and electrolyte ions having a charge opposite in sign to that of the macro-ion; Card 1/4

S/076/63/037/002/007/018 B101/B186

Determination of the potential ...

$$\beta^2 = \kappa_2^2 \left[n_1 / (n_1 + n_2) \right]^2 \cdot f^2 (2\kappa_2 a) - \kappa_1^2 \cdot 2 \cdot 71 / 2; \; \kappa_2^2 = 4\pi e^2 (n_1 + n_2) / kTD,$$

e = $4.8 \cdot 10^{-10}$ cgs units; n_2 is the number of electrolyte ions, the sign of which is consistent with that of the surface charge of the macro-ion at Y = 0; $f = K_1(2\kappa_2 a)/K_0(2\kappa_2 a)$. The constant δ is calculated from:

cth $\delta = -\sqrt{e^2/kTDha\beta} - \left[n_1/(n_1 + n_2)\right] \times_2 f(2 \times_2 a)/\beta$, where V is the number of charges on the cylinder with a mean density $|\sigma| = \sqrt{e/2\pi ah}$. C_p is the concentration of the polymer, C_{el} that of the electrolyte, α is the degree of ionization. The values calculated for $e \Delta V/kT$ were checked on polymethacrylic acid in NaCl solution and yielded with $\alpha = 0.8$, $a \approx 5 \cdot 10^{-8}$ cm:

Card 2/4

Determination of the potential ...

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concentration		e Ay/kT exp	e AY/kT theor	
C _p = 0.1 monomole/1 C _{el} = 0.1 mole/1	•	≈ 2.7	≈ 3.3	
C _p = 0.05 monomole/1 C _{e1} = 0.04 mole/1		≈ 4.2	≈ 5·6	
C _p = 0.02 monomole/l C _{el} = 0.01 mole/1		≈ 6	≈ 8.8.	

The divergence between the experimental and the theoretical value increases with increasing dilution owing to the higher diffusivity of the double layer. For a $\geq 10^{-7}$ cm, a better agreement may be expected also Card 3/4

S/076/63/037/002/007/018 B101/B186

Determination of the potential ...

for low concentrations. There is 1 table. The most important English-language references are: R. M. Fuoss, A. Katchalsky a.S. Lifson, Proc. Nat. Acad. Sci. U.S.A., 37, 579, 1951; A. Katchalsky, S. Lifson, J. Polymer Sci., 13, 43, 1954; T. Alfrey, P. W. Berg, a.H. Morawetz, J. Polymer Sci., 7, 543, 1951.

ASSOCIATION:

Khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Institute of Chemical Technology imeni D. I. Mendeleyev)

SUBMITTED:

October 13, 1961

Card 4/4

YALAMOV, Yu.I.

Theory of the electrical interaction of plane surfaces with an identical discrete surface charge separated by electrolyte solution. Zhur. fiz.khim. 37 no.6:1393-1397 Je '63. (MIRA 16:7)

1. Institut elektrokhimii AN SSSR.
(Electrolyte solutions) (Electromotive force)

 YALAMOV, Yu.I.

Theory of the electrostatic interaction of macroions with discrete surface charge in electrolyte solutions. Zhur. fiz. khim. 37 no.5:1123-1126 My '63. (MIRA 17:1)

1. Khimiko-tekhnologicheskiy institut imeni D.I. Mendeleyeva.

YALAMOV, Yu.I.

Electric energy of ion adsorption at the dielectric-electrolyte interface in the case of discrete surface charge. Zhur. fiz. khim. 37 no.6:1429-1432 Je *63. (MIRA 16:7)

1. Institut elektrokhimii AN SSSR.
(Dielectrics) (Electrolytes) (Adsorption)

DERYAGIN, B.V.; YALAMOV, Yu.I.

Theory of the thermophoresis of moderately large serosol particles. Dokl. AN SSSR 155 no. 4:886-889 Ap 164. (MIPA 17:5)

1. Laboratoriya poverkhnostnykh yavleniy Instituta fizicheskoy khimii AN SSSR. 2. Chlen-korrespondent AN SSSR (for Deryagin).

YALAMOV, Yuafa; MALAYEV, A.M.

Effect of the discreteness of surface charge on the electrostatio potential of macroions in electrolyte solutions.

Zhur, fiz. khim. 38 no.44963-967 Ap '64. (MIRA 17:5)

1. Akademiya nauk SESR, Institut fizioheakoy khimil.

YALAMOV, Yu.I.

Theory of the electrostatic interaction of macroions with different discrete surface charge in an electrolyte solution. Zhur. fiz. khim. 38 no.2:463-467 F 64. (MIRA 17:8)

1. Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva.

DERYAGIN, B.V.; YALAMOV, Yu.I.

Theory of thermomolecular pressure drop and thermotranspiration (thermal osmosis) of gases in moderately wide capillaries. Dokl. AN SSSR 157 no.4:940-943 Ag '64 (MIRA 17:8)

1. Institut fizicheskoy khimii AN SSSR. 2. Chlen-korrespondent AN SSSR (for Deryagin).

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well's investigation was in error as a result. The planting the record or the error Orig. art. has: 25 formulas.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry, Academy of Sciences SSSR)

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NR REF SOV: 004

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L 16962-66 EWT(m)/T ACC NR: AP6009022 SOURCE CODE: UR/0020/65/165/002/0364/0367 AUTHOR: Yalamov, Yu. I.; Deryagin, B. V. (Corresponding member AN SSSR) ORG: Institute of Physical Chemistry, Academy of Sciences, SSSR (Institut fizicheskoy khimii Akademii nauk SSSR) TITLE: Theory of diffusion phoresis of large nonvolatile aerosol particles SOURCE: AN SSSR. Doklady, v. 165, no. 2, 1965, 364-367 TOPIC TAGS: aerosol, gas diffusion, applied mathematics, entropy ABSTRACT: A previous work developed the theory of the diffusion phoresis of small aerosol particles $(Kn = \lambda_i/R \gg 1)$, where R is the radius of the particle and λ_i is the mean free path of a molecule of the 1th component of a binary mixture. Brock has attempted to calculate the rate of the diffusion phoresis of large particles. Taking into account the effect of "diffusion phoretic slip," he mistakenly assumed that the velocity distribution of the gas molecules in collision on the surface of an aerosol particle did not differ substantially from the volumetric. In the present paper, the rate of diffusion phoresis for large particles is found from the kinetic equations for the transfer of a gas through is found from the kinetic equations for the transfer of a gas through an "aerosol barrier" separating two vessels. The temperature is everywhere equal to T. Between the two vessels there are maintained differences in concentration of the first and second gases, ΔC_1 and ΔC_2 , and of the pressure Δp . Here, $C_1 = n_1/n$ and $C_2 = n_2/n$, where n_1

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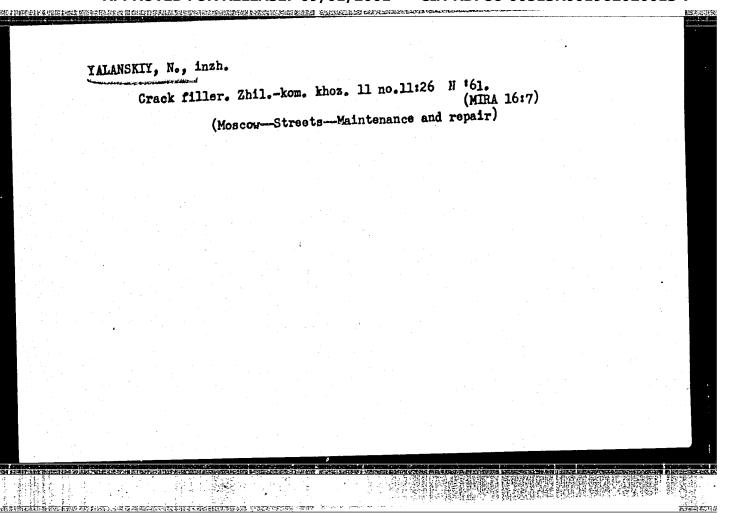
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ſ	ACC NR: AP6009022	
	ACC NR: AP6009022 and n_2 are the number of molecules of a component of the mixture in unit volume, $n = n_1 + n_2$. The rate of formation of entropy ΔS can in unit volume, $n = n_1 + n_2$. The rate of formation of entropy ΔS can in unit volume, $n = n_1 + n_2$.	
	this case be expressed in the form: $\frac{\Delta \dot{S}}{1} = -I_1 \frac{\Delta \mu_1}{T} - I_2 \frac{\Delta \mu_2}{T}, \qquad (1)$	
	where $I_1 = n_1 \overline{v_1}$ and $I_2 = n_2 \overline{v_2}$ are the volumetric gas flows through the barrier, v_1 and v_2 are the average linear components of the velocities	
	of the molecules in a direction normal to the barrier, and $\Delta\mu$ and	
I		
	expression for the rate of diffusion profess of actoring	
5,-	relative to the gas: $V_{-} = I^{-n(4m_2-m_1)} \frac{1}{2^{n}} \frac{1}{2$	
	1	
	From Equation 36, we get for the diffusion phoretic force on a	a, karti
	particle: $F_D = 6\pi \eta R V_D$. (37)	
	It is concluded that the transitional section between the conditions for "small" and "large" particles is very narrow. Orig. art. has: 2 figures	
	for "small" and "large" particles is very narrow. Orig. alo. nac.	
	1 1 27 Formulas.	
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TYSHLER, I., saveduyushchiy; YALANUKIY, A., inshener.

Regulation of working capital norms for tree nurseries. Znil.-kom. khoz. (MLEA 6:7)
3 no.5:20 ky '53.

1. Planovo-ekonomicheskiy sektor Stavropol'skogo kraykomkhoza (for Tyshler).
2. Blagoustroystvo Stavropol'skogo kraykomkhoza. (Burseries (Horticulture))



YALANSKIY, N.

Asphalt heater attached to the chassis of the GAZ-69 truck.

Asphalt heater attached to the chassis of the GAZ-69 truck.

Zhil.-kom. khoz. 12 no.1:29 Ja '62.

(Road machinery)

YALANSKIY, N.T.

Modernizing the FU-8 sweeping and cleaning machine. Gor. khoz.Mosk.

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GRAFOV, L.Ye., gormyy inzh.; GORBUSHIN, V.I., V.I.; ZARANKIN, N.Ye.;

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V.P.; FESUN, V.A.; BERDYUGIN, V.A.; BEREZNYAK, M.M.; VASIL'YEV,

Ye.I.; KOLLODIY, K.K.; IL'CHENKO, D.F.; YALEVSKIY, D.B.;

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izd-va; OSVAL'D, E.Ya., red. izd-va; PROZOROVSKAYA, V.L., tekhn.

red.

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Hast.ugl. 9 no.7:7-8 Jl 160.

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(Mine management)

(Ageov, S.)

YALEYSKIY, D.B., gornyy inzh.; TREYEROV, D.M., glavnyy bukhgalter

Necessary and useful book. ("Analysis of material and financial expenditures in coal mining costs" by V.I. Beliaev. Reviewed by D.B. Ialevskii, D.M. Treerov). Ugol' 35 no.9:63-64 S '60. (MIRA 13:10)

1. Kombinat Kuzbassugol:.

(Coal mines and mining---Costs)

(Beliaev, V.I.)

KOVACHEVICH, PIM.; YALEVSKIY, V.D.

Affairs and people of the "Polysaevskaia-3" mine. Ugol' 36 no.4: (MIRA 14:5) 5-7 Ap 161.

Zamestitel' nachal'nika kombinata Kuzbassugol' (for Kovachevich).
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 (Kuznetsk Basin—Coal mines and mining)

CIA-RDP86-00513R001962020013-7" **APPROVED FOR RELEASE: 09/01/2001**

BYKOV, A.P.; VORONINA, N.G.; YALI, P.I.

Manufacture of nonwoven towels. Tekst. prom. 25 no.10:56 (MIRA 18:10) 0 '65.

1. Nachal'nik TSentral'noy nauchno-issledovatel'skoy laboratorii Khersonskogo khlopchatobumazhnogo kombinata (for Bykov).

2. Nachal'nik laboratorii tkachestva TSentral'noy nauchno-issledovatel'skoy laboratorii Khersonskogo khlopchatobumazhnogo kombinata (for Voronina).

3. Starshiy inzhener TSentral'noy nauchno-issledovatel'skoy laboratorii Khersonskogo khlopchato-bumazhnogo kombinata (for Yali).

I-31

USSR Chemical Technology. Chemical Products and Their Application

Fermentation industry

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32907

Yalimov I.I. Author

Title Cooling of Filter-Press During Bottling of

Champagne.

Vinodeliye i vinogradarstvo SSSR, 1956, No 7, Orig Pub:

Description of an improvement in the design of

the filter-press which prevents an elevation of the temperature of the champagne and improves

Card 1/3

possibly YAKIMOU, I,I.

APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001962020013-7"

USSR /Chemical Technology, Chemical Products and Their Application

T-31

Fermentation industry

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32907

its quality, during the passage from settling tank to bottling machine. Along the forward end and the sides of the filter-press look inch pipes have been provided through which brine, at - 8 to - 10°, is circulated. The filter is enclosed in a dismountable housing consisting of three separate panels held together by hinged bolts and wing-nuts. Each panel is made of two sheets of roofing iron with a heat-insulating interlayer. The cooling of the filter is started several hours before the bottling of the champagne is initiated, and continues until the bottling is completed. At the

Card 2/3

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USSR Chemical Technology. Chemical Products and Their Application

I**-**31

Fermentation industry

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32907

beginning of the bottling the temperature does not exceed 0°, and after one hour it drops to - 2° and stays at this level. Two photographs are shown.

Card 3/3

GUREVICH, Ye., inzh.; SHUMELISHSKIY, M., inzh.; YALIMOVA, Ye., inzh.

Single-stage compressors using Freon 22 at low-boiling temperatures. Khol.tekh. 35 no.5:24-29 S-0 58. (MIRA 11:11)

1. TSentral noye konstruktorskoye byuro kholodil nogo mashinostroyeniya (for Gurevich). 2. Moskovskiy zavod "Kompressor" (for Shulelishskiy, Yalimova).

(Refrigeration and refrigerating machinery) (Methane)

DUBROVIN, R.; YALIN, M.

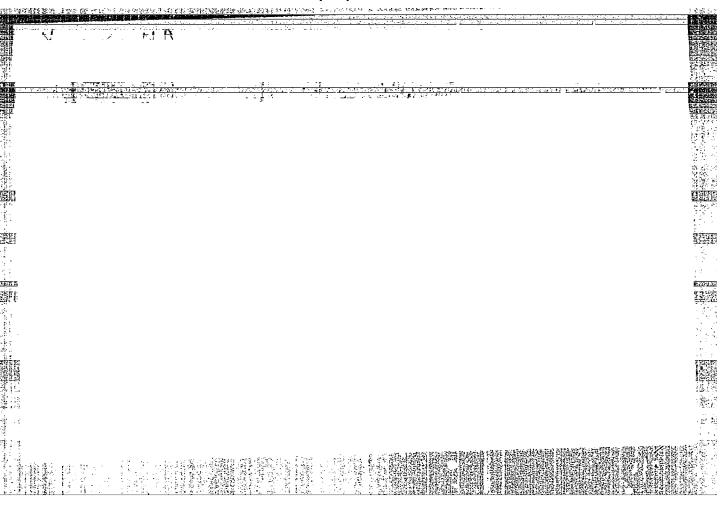
Gift from English miners. Sov. shakh. 11 no.10:35 0 '62.

(MIRA 15:9)

(Visitors, British) (Phonorecords)

YALIN, R.I., kandidat meditsinskikh nauk

Modified apparatus for fluoroscopy in daylight (locoscope). Vest. rent. i rad. no.5:76-78 S-0 '54. (MIRA 7:12) (FLUOROSCOPY, apparatus and instruments, appar. for x-ray exam. in daylight)



YALIZAROV, B.I.; POMERANTS, D.M.; SKOTNIKOV, V.V.

Scientific and technical conference on annealing in hot media and intermediate transformations of austenite. Metalloved. 1 obr. met. no.5:58-63 My '58. (MIRA 11:5)

(Steel--Heat treatment)

 YALKIND, S.Ya.; ANDZHAPARIDZE, O.G.; BOGOMOLOWA, N.N.; FOKINA, A.M.

Morphological and cytochemical investigations on the effects of tick-borne encephalitis virus on cells from tissue cultures. Acta virol. Engl. Ed. Praha 6 no.5:447-451 S 162.

1. The Moscow Scientific Research Institute of Viral Preparations, Moscow U.S.S.R.

(ENCEPHALITIS, EPIDEMIC virol.)

YAL'KOV, V.I. I GROSS, E.F.

24763. YAL'KOV, V.I. I GROSS, E.F. Kolebaniya Bodorodnoy Svyazi I Spektry
Rasseyaniya. Doklad, Prochit Na Nauch, Sessii Leningr. Un-Ta 4

Dek. 1948 G. 7 Doklady-Akad. Nauk. SSSR. Novaya Seriya. T. LXVII,

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